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Derwent Record

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Derwent Title: Immobilising contaminants in materials of various consistencies, especially builder's rubble or soil - involves mixing with aluminium hydroxide, water and hydraulic binder to give neutral to alkaline mixture, useful especially for ground-work or foundation for buildings or roads

Original Title: ☒ **DE19607081A1:** Verfahren zum Immobilisieren von Schadstoff und zum Verfestigen des Immobilisats

Assignee: BILFINGER & BERGER UMWELTVERFAHRENSTECHN Non-standard company

Inventor: ECKER M;

Accession/ 1997-426370 / 199940

Update:

IPC Code: A62D 3/00 ; B09C 1/00 ; C04B 18/08 ; C04B 18/16 ; C04B 22/06 ; E01B 3/00 ;

Derwent Classes: L02; P35; Q41; P43;

Manual Codes: L02-D(Unclassified) , L02-D09(Artificial floors and surfaces)

Derwent Abstract: (DE19607081A) Immobilising contaminant(s) in a material, especially builder's rubble or soil, involves adding water and (latent) hydraulic binder, the contaminated material is treated with aluminium hydroxide (I) and mixed, so that the pH of the mixture is 6-13, and the mixture is consolidated to a solid in which the contaminants in the contaminated phase are immobilised.
Use - The mixture or solid is used for building purposes, especially for making a surface suitable for groundwork on the material or as a foundation for a building or road (all claimed).
Advantage - The method is suitable for treating contaminated materials of various consistencies, e.g. soil, ground, sludge, sand, building residues, dust, slag, salts, oil sludge, rock flour, builder's rubble, electro-filter ash etc. It is also possible to add large amounts of chloride, e.g. calcium chloride, without premature hardening.

Dwg.0/0

Family:	PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
<input checked="" type="checkbox"/> DE19607081A1 *	1997-08-28	199740	8	German	A62D 3/00	
Local appls.: DE1996001007081 Filed:1996-02-24 (96DE-1007081)						
<input checked="" type="checkbox"/> DE19607081C2 =	1999-09-09	199940	8	German	A62D 3/00	
Local appls.: DE1996001007081 Filed:1996-02-24 (96DE-1007081)						

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Legal Status:

First Claim: [Show all claims](#) 1. Verfahren zum Immobilisieren von einem oder mehreren Schadstoffen, mit dem oder mit denen ein Material, insbesondere Bauschutt- oder Bodenmaterial, kontaminiert ist, mittels Zugabe von Wasser und hydraulischem oder latent hydraulischem Bindemittel, **dadurch gekennzeichnet**, daß dem kontaminierten Material Aluminiumhydroxid zugegeben wird, das Gemenge gemischt wird, wobei der pH-Wert des Gemenges zwischen 6 und 13 beträgt, und das

Gemenge sich zu einer Festsubstanz, in der die Schadstoffe in schadstoffhaltigen Phasen immobilisiert sind, verfestigt.

Priority Number:

Application Number	Filed	Original Title
DE1996001007081	1996-02-24	

Unlinked

1502U 1503U 2020U

Registry Numbers:

Title Terms:

IMMOBILISE CONTAMINATE MATERIAL VARIOUS CONSISTENCY BUILD RUBBLE SOIL MIX
ALUMINIUM HYDROXIDE WATER HYDRAULIC BIND NEUTRAL ALKALINE MIXTURE USEFUL
GROUND WORK FOUNDATION BUILD ROAD

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